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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/991,415	11/16/2001	Anjur Sundaresan Krishnakumar	15-5	4144
7590 04/01/2005				
Ryan, Mason & Lewis, LLP		EXAMINER		
90 Forest Avenue		HSU, ALPUS		
Locust Valley, NY 11560				
		ART UNIT	PAPER NUMBER	
		2665		

DATE MAILED: 04/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No.	Applicant(s)	
	09/991,415	KRISHNAKUMAR ET AL.	
	Examiner	Art Unit	
	Alpus H. Hsu	2665	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 and 15-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 8-12 and 22-26 is/are allowed.
- 6) ☒ Claim(s) 1-5 and 15-19 is/are rejected.
- 7) ☒ Claim(s) 6,7,20 and 21 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1-5, 15-19 are rejected under 35 U.S.C. 102(a) as being anticipated by CALDARA et al. in U. S. Patent no. 5,872,769.

Referring to claim 1, by broadly interpreting each queue in CALDARA et al. as the claimed linked list, CALDARA et al. discloses a contention-based communications network (ATM Network) in which multiple linked-list chains of data packets (Figures 5, 6 and 11) transmitted by communications stations (not shown) supported by said network at a particular point in time are not always thereafter joined into a single linked-list chain (see col. 3, lines 17-22, 44-51, col. 7, line 66 to col. 8, line 7, col. 8, line 65 to col. 9, line 7, col. 12, lines 11-14, 31-32, 36-42, 52-61, col. 13, lines 41-43).

Referring to claim 2, by broadly interpreting each queue in CALDARA et al. as the claimed linked list, CALDARA et al. discloses a contention-based communications network (ATM Network) in which first and second independent linked-list chains of data packets (Figures 5, 6 and 11) transmitted by communications stations (not shown), once formed, are allowed to continue to exist independently for an indeterminate amount of time (see col. 3, lines 17-22, 44-51, col. 7, line 66 to col. 8, line 7, col. 8, line 65 to col. 9, line 7, col. 12, lines 11-14, 31-32, 36-42, 52-61, col. 13, lines 41-43).

Referring to claim 3, CALDARA et al. discloses that the communications network includes a communications medium (PER LINK) and wherein the communications stations

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transmitting the data packets of said first and second independent linked-list chains repetitively access said medium (see col. 9, lines 8-21).

Referring to claim 4, CALDARA et al. discloses that the first and second independent linked-list chains of data packets are joined into a single linked-list chain only if the separation between them becomes less than a particular amount (see col. 14, lines 21-27).

Referring to claim 5, CALDARA et al. discloses that if the separation between said first and second independent linked-list chains becomes less than a particular amount, the separation between said first and second independent linked-list chains is caused to be increased (see col. 6, lines 48-53).

Referring to claims 15 and 16, CALDARA et al. discloses a method comprising the step of forming multiple linked-list chains of data packets transmitted by communications stations in a contention-based communications network, said method characterized in that said multiple linked-list chains, after having been formed, are not always thereafter joined into a single linked-list chain, wherein the multiple linked-list chains are independent linked-list chains which, once formed, are allowed to continue to exist independently for an indeterminate amount of time (see col. 3, lines 17-22, 44-51, col. 7, line 66 to col. 8, line 7, col. 8, line 65 to col. 9, line 7, col. 12, lines 11-14, 31-32, 36-42, 52-61, col. 13, lines 41-43).

Referring to claim 17, CALDARA et al. discloses that the communications network includes a communications medium (PER LINK) and wherein the communications stations transmitting the data packets of said first and second independent linked-list chains repetitively access said medium (see col. 9, lines 8-21).

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Referring to claim 18, CALDARA et al. discloses that the first and second independent linked-list chains of data packets are joined into a single linked-list chain only if the separation between them becomes less than a particular amount (see col. 14, lines 21-27).

Referring to claim 19, CALDARA et al. discloses that if the separation between said first and second independent linked-list chains becomes less than a particular amount, the separation between said first and second independent linked-list chains is caused to be increased (see col. 6, lines 48-53).

3. Claims 8-12, 22-26 are allowed.

4. Claims 6, 7, 20 and 21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Catino, Farrell et al. and Kluge are cited to show the common feature of multiple linked-list data structure similar to the claimed invention.

Shepard, Lee and Ruszczyk et al. are cited to show the common feature of contention-based communications network similar to the claimed invention.

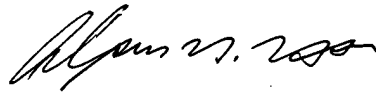
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alpus H. Hsu whose telephone number is (571)272-3146. The examiner can normally be reached on M-F (5:30-3:00) First Friday Off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy D. Vu can be reached on (571)272-3155. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AHH



Alpus H. Hsu
Primary Examiner
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